

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	172394	transient\$6	US-PGPUB; USPAT	OR	OFF	2007/01/29 06:31
S2	2443	transient\$6 with grad\$6	US-PGPUB; USPAT	OR	OFF	2007/01/29 06:32
S3	27	transient\$6 with grad\$6 near2 respon\$6	US-PGPUB; USPAT	OR	OFF	2007/11/19 07:42
S4	136	(detect\$6 and transient\$4) .ti.	US-PGPUB; USPAT	OR	OFF	2007/01/30 06:05
S5	136	(detect\$6 and transient\$4).ti.	US-PGPUB; USPAT	OR	OFF	2007/01/30 06:06
S6	0	(detect\$6 and transient\$4).ti. and graded near4 respon\$7	US-PGPUB; USPAT	OR	OFF	2007/01/30 06:08
S7	0	(detect\$6 and transient\$4).ti. and graded	US-PGPUB; USPAT	OR	OFF	2007/01/30 06:09
S8	66	(detect\$6 and transient\$4).ti. and magnitud\$6	US-PGPUB; USPAT	OR	OFF	2007/01/30 06:10
S9	65	(detect\$6 and transient\$4).ti. and magnitud\$6 and signal\$4	US-PGPUB; USPAT	OR	OFF	2007/01/30 06:10
S10	11	(detect\$6 and transient\$4).ti. and magnitud\$6 and signal\$4 with modif\$8	US-PGPUB; USPAT	OR	OFF	2007/01/30 06:12
S11	0	(detect\$6 and transient\$4).ti. and magnitud\$6 and signal\$4 with modif\$8 and flux\$6	US-PGPUB; USPAT	OR	OFF	2007/01/30 06:12
S12	13	(detect\$6 and transient\$4).ti. and flux\$6	US-PGPUB; USPAT	OR	OFF	2007/01/30 06:13
S13	572	(detect\$6 near4 transient\$4) and flux\$6	US-PGPUB; USPAT	OR	OFF	2007/01/30 06:13
S14	2	(detect\$6 near4 transient\$4) and flux\$6 near (spectr\$6 cepstr\$6)	US-PGPUB; USPAT	OR	OFF	2007/01/30 06:14
S15	5	(detect\$6 near4 transient\$4) and flux\$6 near4 (spectr\$6 cepstr\$6)	US-PGPUB; USPAT	OR	OFF	2007/01/30 06:16
S16	87	transient\$4 and flux\$6 near4 (spectr\$6 cepstr\$6)	US-PGPUB; USPAT	OR	OFF	2007/01/30 06:16
S17	5	transient\$4 with (audi\$5 speech\$4 voic\$4) and flux\$6 near4 (spectr\$6 cepstr\$6)	US-PGPUB; USPAT	OR	OFF	2007/01/30 06:45
S18	4	S17 not S15	US-PGPUB; USPAT	OR	OFF	2007/01/30 06:17
S19	4	transient\$4 with (audi\$5 speech\$4 voic\$4) and flux\$6 near4 (spectr\$6 cepstr\$6) and modif\$7	US-PGPUB; USPAT	OR	OFF	2007/01/30 06:19

## EAST Search History

S20	2	transient\$4 with (audi\$5 speech\$4 voic\$4) and flux\$6 near4 (spectr\$6 cepstr\$6) and sub\$4band\$4	US-PGPUB; USPAT	OR	OFF	2007/01/30 06:43
S21	2	transient\$4 with (audi\$5 speech\$4 voic\$4) and flux\$6 near4 (spectr\$6 cepstr\$6) and bank\$6	US-PGPUB; USPAT	OR	OFF	2007/01/30 06:43
S22	0	transient\$4 with (audi\$5 speech\$4 voic\$4) and flux\$6 near4 (spectr\$6 cepstr\$6) and short\$4tim\$4	US-PGPUB; USPAT	OR	OFF	2007/01/30 06:45
S23	0	transient\$4 with (audi\$5 speech\$4 voic\$4) and flux\$6 near4 (spectr\$6 cepstr\$6) and (STFT)	US-PGPUB; USPAT	OR	OFF	2007/01/30 06:46
S24	18	transient\$4 with (audi\$5 speech\$4 voic\$4) and (STFT)	US-PGPUB; USPAT	OR	OFF	2007/01/30 06:51
S25	1	transient\$4 with (audi\$5 speech\$4 voic\$4) and (STFT) same (compar\$7 match\$6)	US-PGPUB; USPAT	OR	OFF	2007/01/30 09:34
S26	1	transient\$4 with (audi\$5 speech\$4 voic\$4) and (STFT) same (compar\$7 match\$6)	US-PGPUB; USPAT	OR	OFF	2007/01/30 09:34
S27	18	transient\$4 with (audi\$5 speech\$4 voic\$4) and (STFT)	US-PGPUB; USPAT	OR	OFF	2007/01/30 09:35
S28	0	transient\$4 with (audi\$5 speech\$4 voic\$4) and (STFT) same window46	US-PGPUB; USPAT	OR	OFF	2007/01/30 09:36
S29	13	transient\$4 with (audi\$5 speech\$4 voic\$4) and (STFT) same window\$6	US-PGPUB; USPAT	OR	OFF	2007/01/30 09:44
S30	13	transient\$4 with (audi\$5 speech\$4 voic\$4) and (STFT) same window\$6 and STFT	US-PGPUB; USPAT	OR	OFF	2007/01/30 09:57
S31	4	transient\$4 and (STFT) with compar\$7	US-PGPUB; USPAT	OR	OFF	2007/01/30 10:00
S32	9	transient\$4 and (STFT) same compar\$7	US-PGPUB; USPAT	OR	OFF	2007/01/30 09:59
S33	5	S32 not S31	US-PGPUB; USPAT	OR	OFF	2007/01/30 09:58
S34	0	transient\$4 and (STFT) same match\$47	US-PGPUB; USPAT	OR	OFF	2007/01/30 09:59
S35	0	transient\$4 and (STFT) same match\$4	US-PGPUB; USPAT	OR	OFF	2007/01/30 09:59
S36	0	sub\$4band\$4 with filter\$4 near bank\$4 and (STFT) with (compar\$7 match\$5)	US-PGPUB; USPAT	OR	OFF	2007/01/30 10:01
S37	1004	sub\$4band\$4 with filter\$4 near bank\$4	US-PGPUB; USPAT	OR	OFF	2007/01/30 10:01
S38	16	sub\$4band\$4 with filter\$4 near bank\$4 and (STFT)	US-PGPUB; USPAT	OR	OFF	2007/01/30 10:11

## EAST Search History

S39	25	(STFT) with (compar\$6 match\$4)	US-PGPUB; USPAT	OR	OFF	2007/01/30 10:12
S40	6	(US-20040044525-\$ or US-20040212320-\$ or US-20020016161-\$).did. or (US-5909663-\$ or US-5953696-\$ or US-6570991-\$).did.	US-PGPUB; USPAT	OR	OFF	2007/01/30 12:25
S41	6	(US-20040044525-\$ or US-20040212320-\$ or US-20020016161-\$).did. or (US-5909663-\$ or US-5953696-\$ or US-6570991-\$).did. and multipl\$8	US-PGPUB; USPAT	OR	OFF	2007/01/30 12:25
S42	4	(US-20040044525-\$ or US-20040212320-\$ or US-20020016161-\$).did. or (US-5909663-\$ or US-5953696-\$ or US-6570991-\$).did. and (multiply multiplication)	US-PGPUB; USPAT	OR	OFF	2007/01/30 17:06
S43	2	((US-20040044525-\$ or US-20040212320-\$ or US-20020016161-\$).did. or (US-5909663-\$ or US-5953696-\$ or US-6570991-\$).did.) and (multiply multiplication)	US-PGPUB; USPAT	OR	OFF	2007/01/30 12:26
S44	6	(US-20040044525-\$ or US-20040212320-\$ or US-20020016161-\$).did. or (US-5909663-\$ or US-5953696-\$ or US-6570991-\$).did. and domain\$4	US-PGPUB; USPAT	OR	OFF	2007/01/30 16:11
S45	6	((US-20040044525-\$ or US-20040212320-\$ or US-20020016161-\$).did. or (US-5909663-\$ or US-5953696-\$ or US-6570991-\$).did.) and domain\$4	US-PGPUB; USPAT	OR	OFF	2007/01/30 16:14
S46	3	((US-20040044525-\$ or US-20040212320-\$ or US-20020016161-\$).did. or (US-5909663-\$ or US-5953696-\$ or US-6570991-\$).did.) and domain\$4 same output\$4	US-PGPUB; USPAT	OR	OFF	2007/01/30 16:33
S47	3	((US-20040044525-\$ or US-20040212320-\$ or US-20020016161-\$).did. or (US-5909663-\$ or US-5953696-\$ or US-6570991-\$).did.) and listener\$4	US-PGPUB; USPAT	OR	OFF	2007/01/30 16:34

## EAST Search History

S48	3	((US-20040044525-\$ or US-20040212320-\$ or US-20020016161-\$).did. or (US-5909663-\$ or US-5953696-\$ or US-6570991-\$).did.) and listener\$4 and domain\$4	US-PGPUB; USPAT	OR	OFF	2007/01/30 16:50
S49	5	((US-20040044525-\$ or US-20040212320-\$ or US-20020016161-\$).did. or (US-5909663-\$ or US-5953696-\$ or US-6570991-\$).did.) and modif\$8	US-PGPUB; USPAT	OR	OFF	2007/01/30 16:53
S50	2	((US-20040044525-\$ or US-20040212320-\$ or US-20020016161-\$).did. or (US-5909663-\$ or US-5953696-\$ or US-6570991-\$).did.) and (modify modification\$4)	US-PGPUB; USPAT	OR	OFF	2007/01/30 16:53
S51	2	((US-20040044525-\$ or US-20040212320-\$ or US-20020016161-\$).did. or (US-5909663-\$ or US-5953696-\$ or US-6570991-\$).did.) and (modify modification\$4) and domain\$4	US-PGPUB; USPAT	OR	OFF	2007/01/30 16:56
S52	5	((US-20040044525-\$ or US-20040212320-\$ or US-20020016161-\$).did. or (US-5909663-\$ or US-5953696-\$ or US-6570991-\$).did.) and linear\$4	US-PGPUB; USPAT	OR	OFF	2007/01/30 16:57
S53	1	((US-20040044525-\$ or US-20040212320-\$ or US-20020016161-\$).did. or (US-5909663-\$ or US-5953696-\$ or US-6570991-\$).did.) and linear\$4 and non\$4linear\$4 and hyperbolic\$6	US-PGPUB; USPAT	OR	OFF	2007/01/30 16:59
S54	0	((US-20040044525-\$ or US-20040212320-\$ or US-20020016161-\$).did. or (US-5909663-\$ or US-5953696-\$ or US-6570991-\$).did.) and piec\$4wis\$4	US-PGPUB; USPAT	OR	OFF	2007/01/30 17:00
S55	9088	piec\$4wis\$4	US-PGPUB; USPAT	OR	OFF	2007/01/30 17:00
S56	4614	piec\$4wis\$4 near linear\$6	US-PGPUB; USPAT	OR	OFF	2007/01/30 17:02
S57	633	piec\$4wis\$4 near linear\$6 with non\$4linear\$5	US-PGPUB; USPAT	OR	OFF	2007/01/30 17:03
S58	21	piec\$4wis\$4 near linear\$6 with non\$4linear\$5 with map\$7	US-PGPUB; USPAT	OR	OFF	2007/01/30 17:03

## EAST Search History

S59	5	(US-20040044525-\$ or US-20040212320-\$ or US-20020016161-\$).did. or (US-5909663-\$ or US-5953696-\$ or US-6570991-\$).did. and limit\$5	US-PGPUB; USPAT	OR	OFF	2007/01/30 17:06
S60	5	((US-20040044525-\$ or US-20040212320-\$ or US-20020016161-\$).did. or (US-5909663-\$ or US-5953696-\$ or US-6570991-\$).did.) and limit\$5	US-PGPUB; USPAT	OR	OFF	2007/01/30 17:14
S61	6	((US-20040044525-\$ or US-20040212320-\$ or US-20020016161-\$).did. or (US-5909663-\$ or US-5953696-\$ or US-6570991-\$).did.) and frequenc\$7	US-PGPUB; USPAT	OR	OFF	2007/01/30 17:14
S62	2	((US-20040044525-\$ or US-20040212320-\$ or US-20020016161-\$).did. or (US-5909663-\$ or US-5953696-\$ or US-6570991-\$).did.) and frequenc\$7 same limit\$5	US-PGPUB; USPAT	OR	OFF	2007/01/30 17:15
S63	2	"20040212320"	US-PGPUB; USPAT	OR	OFF	2007/07/25 15:48
S64	1	"20040212320".did.	US-PGPUB; USPAT	OR	OFF	2007/07/25 16:00
S65	1	"20040212320".did. or "7257231".pn.	US-PGPUB; USPAT	OR	OFF	2007/07/25 16:00
S66	0	"20040212320".did. and "7257231". pn.	US-PGPUB; USPAT	OR	OFF	2007/07/25 16:00
S67	0	"7257231".pn.	US-PGPUB; USPAT	OR	OFF	2007/07/25 16:00
S68	0	"7257231".pn.	US-PGPUB; USPAT	OR	OFF	2007/07/25 16:01
S69	0	"7257231"	US-PGPUB; USPAT	OR	OFF	2007/07/25 16:01
S70	24	transient\$6 near3 audi\$6 near2 event\$6	US-PGPUB; USPAT	OR	OFF	2007/07/26 08:56
S71	1	transient\$6 near3 audi\$6 near2 event\$6 same (spectr\$4 ceptr\$6) near3 chang\$4	US-PGPUB; USPAT	OR	OFF	2007/07/26 08:57
S72	169	(michael and goodwin).in.	US-PGPUB; USPAT	OR	OFF	2007/11/19 07:42
S73	4	(michael and goodwin).in. and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2007/11/19 10:24
S74	154	704/224.ccls.	US-PGPUB; USPAT	OR	OFF	2007/11/19 10:24

## EAST Search History

S75	365	704/224.ccls. or 704/225.ccls.	US-PGPUB; USPAT	OR	OFF	2007/11/19 10:24
-----	-----	--------------------------------	--------------------	----	-----	------------------